PATENT ABSTRACTS OF JAPAN

(11)Publication number :   2004-304317

(43)Date of publication of application : 28.10.2004

(51)Int.Cl.	H04L 12/46

(21)Application number : 2003-092396   (71)Applicant : SONY CORP
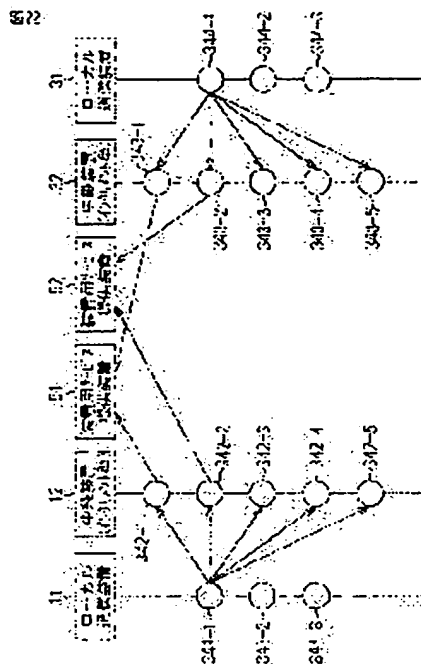
(22)Date of filing :   28.03.2003   (72)Inventor :   KONO SHINICHI

AOKI YUKIHIKO

ADACHIHARA SUNAO

ARAKI AKISHI

(54) NETWORK SYSTEM AND COMMUNICATION METHOD,

INFORMATION PROCESSING APPARATUS AND METHOD, AND

PROGRAM

(57)Abstract:

PROBLEM TO BE SOLVED: To easily communicate with another apparatus via an NAPT.

SOLUTION: A local communication apparatus 11 supplies a service request packet to a service providing apparatus 51 for apparatus at first, and acquires a service providing packet via the port 342-1 of a relay apparatus 12. Next, the apparatus 11 supplies a service request packet to a service providing apparatus 52 for apparatus, and acquires a service providing packet via a port 342-2 of the relay apparatus 12. The apparatus 11 calculates a differential value of information of two global addresses included in these service providing apparatuses, adds a value "1" to the port number of the port 342-2 used for communication with the apparatus 52, and forecasts that the port 342-3 is a port corresponding to next communication. This system is applicable to an instant message service system.

LEGAL STATUS

[Date of request for examination]   06.07.2004

[Date of sending the examiner's

decision of rejection]

[Kind of final disposal of application

other than the examiner's decision of

rejection or application converted

registration]

[Date of final disposal for application]

[Patent number]   3741312

[Date of registration]   18.11.2005

[Number of appeal against examiner's

decision of rejection]

[Date of requesting appeal against

examiner's decision of rejection]

[Date of extinction of right]